

SHKROBOT, E. P.

✓2941* Ion-Exchange Methods in Determination of Thallium
and Indium in Products From Processing of Nonferrous-Metal
Ores. Pelmenevye ionoobmennye metody pri opredelenii
talliia i indija v produktsakh pererabotki rud tsremnykh
metallov. (Russian.) L. B. Ginzburg and E. P. Shkrobot.

Chem
Zavodskaya laboratory, vi. 21, no. 11, 1955, p. 1480-1494.
Separation of Sb and Tl by absorption from solutions of varying
acidity or alkalinity. Determination of Tl in Zn and Pb powders,
Zn electrolytes, and metallic Cd. Determination by fluorescent
method. Tables, graphs.

PM
JAN

S H K R O B O T, E. P.

Chem

Application of the colorimetric method for determination of cobalt and nickel and cobalt and nickel in fused products. L. H. Chisholm Anal. Rec. Technic. Metal & Produc. No. 12, 52-69. Photocolorimetric dets. of high concn. of Mo, Ni, and Co with error not exceeding 1.2% if optical d. of colored salts ~ 0.43. Dets. of Mo. Place 15 ml. aqua regia in a 100-150-ml. flask. Add 10 ml. H₂O and evap. to fumes of SO₃. After few ml. H₂O heat to boiling, cool, and filter. Transfer soln. to volumetric flask and dil. with H₂O. Measure 25 ml. of this soln. into another 250-ml. volumetric flask and dil. with 1 ml. CuSO₄ dil. to 50 ml., and dil. to 50 ml. by colorimetrically. Place 0.1 g. NH₄SCN and 0.5 g. NH₄Cl and evap. to fumes of SO₃. After cooling, transfer 25 ml. of this soln. into a 100-ml. flask and dil. with 10 ml. H₂O and measure d. at 500-50 m μ . Dets.

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4E2C-1
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1/2

S. K. Rubot, E. P.

A new variation of the method of separation of tin from tin-tungsten alloys. Russ. Trudy, 1936, No. 12, 79. From Tl without etch. (Variation I.) To 5 ml. of FeCl_3 soln. add 20 mg. of CuCl_2 soln. and hot 10% NaOH soln. Add hot 10% NaOH soln. to hot 3% soln. NaOH and wash twice with H_2O . Dissolve ppt. in dil. HCl and evap. to dryness. Add 1 ml. 6N HCl and again evap. to dryness. To the dry residue add 5 ml. 6N HCl and after soln. add 10% soln. of NaNO_2 . After 5 min., add to the soln. 5 ml. H_2O_2 and transfer into a separatory funnel. The total vol. of soln. has to be 25 ml. and concn. to the soln. add 0.5 g. of $\text{Na}_4\text{P}_2\text{O}_7$, crystal violet in H_2O soln., mix, and add agitate 30 sec. Transfer the colored layer into a cuvette and photocalorimetrically measure at the content of Tl by use of a calibration curve. (Variation II.) To the 10-20 ml. Zn soln. add 5 g. of citric or tartaric acid and pass through the column and wash the column and a few times with crystal violet reaction with 50-100 ml. 6N HCl as described. Variations are also given for detg. Tl in Zn dusts and metallic Cu.

the *Praktische Chemie* of Professor S. D. Gur'ev and B. P. Shchukin, 1936, p. 116. (Method of separation of Sn.)—Attempt was made to sep. Sn from Tl without etch. Two variations are proposed. In the 4-10 ml. Zn electrolyte, add 20 mg. few drops of H_2O_2 and heat. In the OH^- , $\text{Fe}(\text{OH})_3$, and $\text{Mn}(\text{OH})_2$ with filter ppt. and wash 2-3 times with H_2O . Dissolve ppt. in dil. HCl and add 1 ml. 6N HCl and again evap. to dryness. To the dry residue add 5 ml. 6N HCl and after soln. add 10% soln. of NaNO_2 . After 5 min., add to the soln. 5 ml. H_2O_2 and transfer into a separatory funnel. Then wash out the absorbed Tl in the aliquot soln. Det. Tl at M. Charnandurian

1-462C

SHKROBOT, E.P.

18
✓Separation of molybdenum from rhenium by the ion-exchange chromatographic method. L. G. Giurjina and E. P. Shkrobot. *USSR Rud. Tsvetnykh Metal. i Protsessov ikh Pererabotki* 1951, No. 12, 89-93. — Sepn. of Mo from Re in the ratio (1:3 or 800:1) was carried out with cationite CBS and sulfonated coal. For a soln. of pH 3-5 flowing through the column, Re passes through, and Mo is retained. The column was washed with H₂O and the filtrate with the wash-water was evapd. to 10-15 ml. and Re was detd. by the thiocyanate reaction. The column was regenerated by washing first with 3*N* HCl and then distd. H₂O until the test for Cl⁻ was neg. N. Charmandarian

4E2c
4E4j

PM
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from 102

SOV/137-58-8-18162

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 279 (USSR)

AUTHOR: Shkrob, E.P.

TITLE: Use of Ion-exchange Chromatography in the Analysis of Dispersed Elements (Primeneniye ionnoobmennoy khromatografii v analize rasseyannykh elementov)

PERIODICAL: V sb. · Materialy Soveshchaniya po primeneniyu ionnogo obmena v tsvetn. metallurgii. Moscow, 1957, pp 83-87

ABSTRACT: Experiments on the separation of Re, Ta, and In from interfering elements with the aid the MMG - I anionite and the SBS cationite and carbon disulfide are described. Re is separated from Mo at 2 ~ 5 pH with the aid of the cationites. Ta is separated from Sb by passing the specimen through the SBS cationite in a 20% alkaline solution or a weak acid solution in the presence of $\text{Na}_4\text{P}_2\text{O}_7$, citric, and tartaric acids. In is separated with the aid of cationites in the form of sulfosalicylate compounds. The results of the verification of the methods are adduced.

P.K. 1. Chemical elements—Chromatographic analysis
2. Ion exchange—Applications 3. Rhenium—Determination
4. Tantalum—Determination 5. Indium—Determination

Card 1/1

SHKROBOT, E. P.

V 3611 Determination of small amounts of Sn in
ores by fluorescent and colorimetric methods
L. B. Gribanov and L. P. Shkrobot (State Sci. Res.
Inst. of Non-Metallic and Inorganic Metals), Zavod. Lab., 1957,
23 (6), 527-533. — The use of 8-hydroxyquinoline,
morin and phenylfluorone for fluorescent or colori-
metric determination of Sn^{4+} is studied. The most
sensitive are the morin fluorescent and the phenyl-
fluorone colorimetric methods. To determine Sn
in ores, the sample (0.25 to 0.6 g) is fused with
 Na_2O_2 , the ash soln. of the melt is neutralised with
 HCl , 30 ml. of HBr and 60 ml. of dil. H_2SO_4 (1 + 1)
are added, and the soln. is distilled in a current of
 CO_2 ; the portion distilling at 100° to 127° is rejected,
and a further 15 ml. of HBr is added dropwise when
the temp. reaches 200°; the temp. being maintained
const. An aliquot portion of the distillate is used
for the subsequent procedure (a) with morin or (b)
with phenylfluorone. With (a), the soln. (2 to
5 ml.) in a 1-cm diameter cylinder is mixed with a
few drops of 0.03% morin and then neutralised to Congo
red paper with NH_4 and 10% HCl soln.; after
addition of 0.5 ml. of 0.5% phenylfluorone and
10 ml. with water, the intensity of fluorescence
obtained with that of standard soln. is compared with that
of standard soln. (b). With (b), the sample (6 to 10 ml.)
is neutralised with pH 6 (Congo red paper), with acidified
 NH_4 , then treated with 2.5 ml. of 0.5%
of 0.03% phenylfluorone, and diluted to 25 ml.
After 30 min. the soln. is examined photometrically
with a 500-m μ filter. The methods are suitable
for determining a few parts of Sn in 10,000 parts of
the sample.

G. S. SMITH

BUSEV, A.I.; SHKROBOT, E.P.

Determination of indium and gallium in morin. Vest.Mosk.un.Ser.
mat., mekh, astron, fiz, khim. 14 no.4:199-206 '59. (MIRA 13:8)

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.
(Indium--Analysis)
(Gallium--Analysis)

5 (2)

AUTHORS: Ginzburg, L. B., Shkrobot, E. P.

05713

SOV/32-25-10-2/63

TITLE:

Determination of Thallium From the Absorption of the Solution
of Its Chloride in Ultraviolet

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 10, pp 1157-1162 (USSR)

ABSTRACT:

By means of the spectrophotometer of type SF-4 (with hydrogen lamp), experiments were carried out concerning the applicability of the chlorides and bromides of indium, gallium and thallium to the absorptiometric determination of these elements in nonferrous metal products. The chlorides and bromides of indium and gallium cannot be used for spectrophotometric determinations of these elements since no light absorption occurs in these solutions up to a concentration of elements of about 500 mg/l. In the chlorine and bromine compounds of thallium, a light absorption in the ultraviolet part of the spectrum, in hydrochloric-acid solutions, was ascertained for both forms of valence (Tl^+ and Tl^{3+}) (Figs 1, 2). In 6n HCl, the absorption maximum of $TiCl_3$ and $TiBr_3$ lies at a wave length of 244-246 m μ . The molar absorption coefficients of $TiBr_3$ and $TiCl_3$ nearly agree, and are 3 times larger than those of $TiBr$

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Determination of Thallium From the Absorption of the
Solution of Its Chloride in Ultraviolet

05713

SOV/32-25-10-2/63

and $TiCl_3$ (Table 1). The chlorides and bromides of Bi, Sb, Sn, Cu, Pb, and Fe also absorb the light in the ultraviolet range so that the thallium has to be extracted before a spectrophotometric determination with ether from a hydrobromic-acid solution of the sample. Experiments concerning the oxidation of thallium into the trivalent form were carried out with bromine, hydrogen peroxide, potassium persulphate, and potassium nitrite, while formalin, phenol and urea were tested for the destruction of the excess reducing agent. Phenol proved to be most favorable. The analytical results obtained by two methods from the chloride- and bromide compounds are in good agreement (Table 2); it is, however, recommended to carry out the determination by use of the chloride compound since the "zero solution" has no light absorption in this case. A course of analysis is indicated. The method was tested by dust samples of the lead-zinc production. The method permits thallium determinations from a sample of 1 g with a content of more than 0.005% Tl. There are 3 figures, 2 tables, and 1 Soviet reference.

Card 2/3

Determination of Thallium From the Absorption of the
Solution of Its Chloride in Ultraviolet

05713

SOV/32-25-10-2/63

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh
metallov (State Scientific Research Institute of Nonferrous
Metals)

Card 3/3

GINZBURG, L.B.; SHKROBOT, E.P.

Studying absorption spectra of certain compounds of bismuth,
antimony, lead, tin, iron, copper, and manganese. Sbor. nauch.
trud. Gintsvetmeta no.18:18-36 '61. (MIRA 16:7)

(Metals—Absorption spectra)
(Complex compounds—Absorption spectra)

GINZBURG, L.B.; SHKROBOT, E.P.

Spectrophotometric determination of bismuth in metallic lead and
in crude copper. Sbor. nauch. trud. Gintsvetmeta no.18:53-55 '61.

(Bismuth-Spectra) (Lead-Spectra)
(Copper-Spectra)

SHKROBOT, E.P.

Physicochemical characteristics of indium and gallium compounds
with flavones. Zhur.anal.khim. 17 no.2:186-189 Mr-Ap '62.
(MIRA 15:4)

1. State Scientific Research Institute of Non-Ferrous Metals,
Moscow.

(Indium compounds) (Gallium compounds) (Flavone)

BAKINOVSKAYA, L.M.; SHKROBOT, E.P., kand. khim. nauk

Determining tin in tungsten concentrates. Sbor. nauch.
trud. Gintsvermeta no.23:348-351 '65.

(MIRA 18:12)

L 03029-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AP6019016 (N) SOURCE CODE: UR/0032/66/032/001/0013/0018

AUTHOR: Shkrobot, E. P.; Tarayan, M. G.; Blyakhman, A.A.

41
36
b

ORG: State Scientific-Research Institute for Nonferrous Metals (Gosudarstvennyy
naukno-issledovatel'skiy institut tsvetnykh metallov)

TITLE: Production of analytical concentrate during analysis of high-purity tellurium

SOURCE: Zavodskaya laboratoriya, v. 32, no. 1, 1966, 18

19 27

TOPIC TAGS: inorganic synthesis, tellurium compound, spectrographic analysis

ABSTRACT: A method of concentrating impurities by extracting them in the form of dithizonate and hydroxyquinolate compounds was used during the analysis of high-purity tellurium. The dithizonates and hydroxyquinolates of all impurities, except gold, were extracted by 95-100% at pH 10. The gold dithizonate was extracted from a 3 N HCl solution. Cyclohexanol was added during the extraction of Al; Cd, Ag, and Co were extracted into concentrate by 50% on the average. This required the use of correction coefficients when determining their amounts. Other elements were extracted almost entirely (>75%). The analysis of tellurium consisted of (1) dissolving the Te sample in a mixture of HCl and HNO₃, (2) extracting gold dithizonate from ~ 2.5 N HCl, (3) extracting other impurities from ammonia solution (pH 10) in the presence of cyclohexanol, and (4) producing a concentrate of impurities by the evaporation of the

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UDC: 543.7

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ACC NR: AP6019016

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combined extraction in the presence of Te oxide and charcoal powder, the burning of organic substances, and the roasting of dry residue for 5 mins. at 400-420C. The concentrate was then analyzed spectrally. The sensitivity of determinations was $n \cdot 10^{-5}\%$ for Zn, $n \cdot 10^{-6}\%$ for Cd, Ni, Co, Fe, Au, and $10^{-7}\%$ for Ag, Cu, Ga, In, Al, Pb, Bi. The presence Al, Fe, and Cu in used reagents even after their purification, made it impossible to determine Al and Fe $< n \cdot 10^{-5}$ and Cu $< n \cdot 10^{-7}\%$. K. A. Aldoshina, F. F. Kolmakova, and G. I. Krivousova participated in the work. Spectral analysis was made by A. N. Bogoyavlenskaya, E. F. Pereverzeva, and L. V. Mastryukova.

SUB CODE: 07/ SUBM DATE: none

mv
Card 2/2

SHKROMIDA, M. I., vrach

Comparative evaluation of the effectiveness of extra- and
intracapsular extraction of senile cataract. Oft. zhur. 17 no.4:
211-213 '62. (MIRA 15:7)

1. Iz kliniki glaznykh bolezney (zav. - dotsent T. V. Shlopak)
Stanislavskogo meditsinskogo instituta.

(CATARACT)

L 55678-65

EWT(1)/EWG(v)/EEC-4/EEC(t)/EWA(d)

Pe-5/Pae-2

GW

ACCESSION NR: AP5009213

UR/002

)65/161/001/0063/0065

30
38
B

AUTHOR: Vorob'yev, G. G.; Shkrov, G.

TITLE: New data on the conditions of precipitation of Czechoslovak tektites (vltavines)

SOURCE: AN SSSR, Doklady, v. 161, no. 1, 1965, 63-65

TOPIC TAGS: Czechoslovak tektite, vltavin, tektite migration, tektite roughness

ABSTRACT: On the basis of new data (V. Ceck et al., Vysvetlivky k prehledne geologicke mape CSSR 1:200 000, M - 33 - XVII Ceske Budejovice, M - 33 - XXXIII Vyssi Brod, Praha, 1962; Group of authors, Meteoritika, v. 25, 178 (1964); Doklady AN SSSR, 2, no. 26 (in press)), the authors discuss the extension and structure of the unique European tektite field in southern Bohemia. Most of the samples among the 1221 investigated were found at secondary sites, and the authors introduce a new scale correlating the degree of polishing with the distance of migration. Future investigations will concentrate on a more detailed study of the migration (transportation) paths of the vltavin tektites and the development of a field method for the estimation of such paths which could be useful during the study of field of tektites elsewhere. Orig. art. has: 1 table.

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L 53678-65

ACCESSION NR: AP5009213

ASSOCIATION: Komitet po meteoritam Akademii Nauk SSSR (Committee on Meteorites, Academy of Sciences SSSR); Cheske-Budejovitskaya astronomicheskaya observatoriya ChSSR (Ceske-Budejovice Astronomical Observatory, CSSR)

SUBMITTED: 01Oct64

ENCL: 00

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SUB CODE: ES

NO REF SOV: 001

OTHER: 003

Card

BAB

2/2

SHKRUD', M.

We are exactly carrying out the schedule. Mast. ugl. 4 no.2:5-6
F '55. (MLRA 8:6)

1. Nachal'nik uchastka shakhty imeni Kalinina kombinata Stalin-
ugol'. (Coal mines and mining)

CHESHKO, V.A., kand. biolog. nauk; SHKRUD', R.I.

Slit furrowing for the castor bean. Zemledelie 27 no.9:33-34 S '65.
(MIRA 18:1C)

1. Nikolayevskaya oblastnaya sel'skokhozyaystvennaya opytnaya
stantsiya.

TSERKOVNAYA, L. N., SHKRUDNEVA, I. F.

Rheumatic Heart Disease.

Prognostic significance of rheumatism nodules in children. Pediatriia no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1958/2 Uncl.

SAMOYLOV, B.A.; TIRBAKH, O.G.; KHAVIN, M.N.; SHKREM, N.V.; BONDAREVSKIY,
D.I., redaktor; RACHEVSKAYA, M.I., redaktor izdatel'stva;
PETROVSKAYA, Ye.S., tekhnicheskij redaktor.

[Operation and repair of MTV-82 streetcars] Opyt eksploatatsii i
metody remonta tramvainykh vagonov MTV-82. Moskva, Izd-vo M-va
kommun.khoz. RSFSR, 1957. 78 p. (MLRA 10:7)
(Streetcars--Maintenance and repair)

SAMOYLOV, Boris Alekseyevich; TIRBAKH, Oleg Georgiyevich; SHKRUN,
Nikolay Vasil'yevich; BELOSTOTSKIY, I.A., red.; TEL'NOV, N.V.,
red.izd-va; PYRKINA, N.Y., tekhn.red.

[Over-all mechanization of maintenance and repair operations of
streetcars; from the practices of the Apakov Depot of the Moscow
Passenger Transportation Authority] Kompleksnaia mekhanizatsiya
remonta tramvainykh vagonov; iz opyta raboty tramvainogo depo
im. Apakova Upravleniia passazhirskogo transporta Moskvy. Moskva,
Izd-vo M-va kommun.khoz.RSFSR, 1960. 101 p.

(MIRA 14:4)

(Moscow--Streetcars--Maintenance and repair)

SAMOYLOV, Boris Alekseyevich; TIRBAKH, Oleg Georgiyevich; SHKRUM,
Nikolay Vasil'yevich; RACHEVSKAYA, M.I., red. izd-va;
KHENOKH, E.M., tekhn. red.

["Tatra-2" streetcars] Tramvainye vagony "Tatra-2." Moskva,
Izd-vo M-va kommun.khoz. RSFSR, 1962. 167 p. (MIRA 15:10)
(Streetcars--Design and construction)

SHKUD, M. A.

USSR/Radio Broadcasting
Radio Towers

May 1948

"Development and Introduction of New Techniques in Radio Communications and Radio Broadcasting," N. N. Strel'chenko, M. A. Shkud, Engineers, 2 pp

"Vest Svyazi - Elektro-Svyaz'" No 5 (98)

Radio is one of the fields in the Soviet Union under-going maximum development. At present research is conducted in lowering the cost of new equipment, in particular, radio towers. Another research project is reducing the amount of metal used in towers. Briefly describes other progress made by Soviet radio engineers and technicians.

PA 65T105

SHKUD, M.A.; LOKSHIN, A.M.; AGEYEV, V.I.

Automatic control of radio transmitting installations. Elektro-sviaz' 10 no.1:35-38 Ja '56. (MLRA 9:5)
(Radio--Transmitters and transmission) (Automatic control)

SHKUD, M, A,

PHASE I BCOOK EXPLOITATION

SOV/6112

Ayzenberg, Grigoriy Zakharovich

Korotkovolnovyye antenny (Short-Wave Antennas). Moscow, Svyaz'izdat, 1962.
814 p. Errata slip inserted. 10,000 copies printed.

Resp. Ed.: G. N. Kocherzhevskiy; Tech. Ed.: G. I. Shefer.

PURPOSE: This monograph is intended for scientists and radio engineers concerned with the theory and design of short-wave transmitting and receiving antennas. It may also be useful as a textbook for students in advanced radio engineering courses in schools of higher education.

COVERAGE: The present work is a revised edition of a book by the same author, entitled "Antennas for Main Short-Wave Radio Communications," published in 1948. In the new book considerable progress in the field of short-wave antennas is taken into consideration, and the latest developments in antenna technique,

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Antennas (Cont.)

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such as cophasal band antenna arrays with parasitic reflectors, traveling wave antennas with pure coupling resistance, logarithmic antennas, and band shunt-fed vibrators, are described. The chapter on rhombic antennas is substantially expanded. A new chapter (XVI) dealing with single-wire traveling wave antennas is introduced. The fundamental problem of the interference immunity of various receiving antennas is discussed in an added chapter (XVII). Ch. XIII was written by S. P. Belousov; Chs. XIV and XV, by Belousov and V. G. Yampol'skiy; Ch. XVIII, by L. K. Olifin; and Sec. 4 of Ch. XIX, by M. A. Shkud. The graphs for calculating mutual impedance in balanced vibrators of arbitrary dimensions were compiled under the supervision of Belousov. The author thanks the coauthors and L. S. Tartakovskiy, Ye. G. Pol'skaya, V. G. Ezrin, I. T. Govorkov, and G. N. Kocherzhevskiy. There are no references.

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2. Results of calculation

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Ch. XVIII. Methods of Preventing Fading in Radio Reception

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2. Reception by the antenna designed for various polarization
3. Antenna with steerable directional pattern

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Ch. XIX. Feeders. Switching of the Antennas and Feeders

1. Requirements for the feeders of transmitting antennas
2. Feeder types used in the transmitting antennas. Design data and electric parameters
3. Feeders of the receiving antennas. Design data and electric parameters
4. Switching of the transmitting antennas
5. Down-leads and feeder switching in the receiving antennas
6. Four-wire (feeder)-to-coaxial-line transformer
7. Multiple utilization of antennas and feeders

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SHKUDNOV, V.

Progressive fire crew on a collective farm. Pozh. delo 7 no. 1:30
Ja '60. (MIRA 14:2)

1. Zamestitel' nachal'nika Otdela pozharnoy okhrany, g. Gomel'.
(Gomel' Province--Firemen)

SHKUDOV, A., gvardii p^{od}polkovnik

Inflated indications. Voen.vest. 40 no.4:70 Ap '61. (MIRA 14:7)
(Russia--Army) (Socialist competition)

L 35992-66 EWT(1)
ACC NR: AT6016540

GW
(N)

SOURCE CODE: UR/2634/65/000/085/0053/0064
SI
B41

AUTHOR: Shkudova, G. Ya.

ORG: None

TITLE: The calculation of deep sea currents in the northern part of the Pacific Ocean

SOURCE: Moscow. Gosudarstvennyy okeanograficheskiy institut. Trudy, no. 85, 1965. Teoriya i metody raschetov techeniy i neperiodicheskikh kolebaniy urovnya i prilivov (Theory and methods of calculating currents and acyclic fluctuations of water level and tides), 53-64

TOPIC TAGS: ocean current, ocean dynamics, flow velocity, fluid density measurement, geostrophic wind

ABSTRACT: The method for the calculation of ocean currents originated by P. S. Lineykin (Doklady AN SSSR, vol. 138, no. 6, 1961) makes it possible to calculate the density and flow velocity distribution from data on the wind and the vertical density gradient at the upper boundary of the baroclinic layer. In view of considerable mathematical difficulties in solving the problem, the theoretical model allows for such assumptions as the stationary character of the ocean motions and

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ACC NR: AT6016540

utilizes averaged coefficients of turbulence. In the present paper, the author applies the method to the calculation of the deep sea currents in the northern part of the Pacific Ocean. The procedures, taking into account the influence of atmospheric and thermocline factors, are described in considerable detail, and the results are presented in the form of maps and velocity distribution diagrams. Theoretical results when compared with geostrophical flow maps, established using dynamical methods of V. A. Burkov (Okeanologiya, vol. III, no. 5, 1963), show essential discrepancies in the eastern part of the region. This may be due to the introduction of the simplifying assumptions mentioned earlier. Orig. art. has: 8 formulas and 4 figures.

SUB CODE: 08/ SUBM DATE: 00/ ORIG REF: 007/ OTH REF: 002

Card 2/2 *lll*

SHKUDOVA, G.Ya.

Calculation of ocean currents in the North Atlantic. Okeanologija
3 no.3:405-417 '63. (MIRA 16:8)

1. Gosudarstvennyy okeanograficheskiy institut.
(Atlantic Ocean--Ocean currents)

SHKUDOVA, G.Ya.

Calculation of the depth of baroclinity. Meteor. i gidrol. no.6:
35-40 Je '63. (MIRA 16:6)

1. Gosudarstvennyy okeanograficheskiy institut.
(Oceanography)

SHEVDOVA, G. Ye.

Calculation of deep currents in the ocean. *Okeanologiya* 4
no. 5-6, 1964 (MIRA 1881)

SHKUDOVA, G.Ya.

Calculation of deep currents in the northern part of the
Pacific Ocean. Trudy GOIN no.85:53-64 '65.

(MIRA 19:1)

ACC NR: AT6031966

(N)

SOURCE CODE: UR/2634/66/000/079/0106/0116

AUTHOR: Shkudova, G. Ya.

ORG: None

TITLE: Evaluation of the effect of individual parameters on current calculations made in accordance with the linear theory for the ocean's baroclinic layer

SOURCE: Moscow. Gosudarstvenny okeanograficheskiy institut. Trudy, no. 79, 1966. Voprosy urovnya i tcheniy (Problems of water level and currents), 106-116

TOPIC TAGS: ocean current, oceanography, hydrography ~~research program~~

ABSTRACT: The effect of individual parameters, such as water stratification, variability over the regional expanse of water with the ocean's deep layers, mass advection, seasonal variability within given limiting conditions, and other features, are cited as they apply to current calculations made using the linear theoretical schematic of the baroclinic layer of the ocean suggested by P. S. Lineykin. The method was used for making current calculations in the North Atlantic. Results were positive, and satisfactory current charts were derived for other areas of the world's oceans, particularly for the northern part of the Pacific Ocean, even though conditions were somewhat different from those prevailing in the North Atlantic. Further efforts must

UDC: 551 465(26)

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ACC NR: AT6031966

be devoted to study of these factors in order to bring theory more closely into coincidence with conditions actually prevailing in the ocean. Areas in which trade drifts prevail are recommended for use in making the study since the linear change in density with depth method applied in the theory can be proven experimentally in such areas. Orig. art. has: 4 figures and 1 table.

SUB CODE: 08/SUBM DATE: None/ONIG REF: 005/OTH REF: 001

Card 2/2

ACC NR: AT6031966

(N)

SOURCE CODE: UR/2634/66/000/079/0106/0116

AUTHOR: Shkudova, G. Ya.

ORG: None

TITLE: Evaluation of the effect of individual parameters on current calculations made in accordance with the linear theory for the ocean's baroclinic layer

SOURCE: Moscow. Gosudarstvennyy okeanograficheskiy institut. Trudy, no. 79, 1966. Voprosy urovnya i techeniy (Problems of water level and currents), 106-116

TOPIC TAGS: ocean current, oceanography, hydrography research program

ABSTRACT: The effect of individual parameters, such as water stratification, variability over the regional expanse of water with the ocean's deep layers, mass advection, seasonal variability within given limiting conditions, and other features, are cited as they apply to current calculations made using the linear theoretical schematic of the baroclinic layer of the ocean suggested by P. S. Lineykin. The method was used for making current calculations in the North Atlantic. Results were positive, and satisfactory current charts were derived for other areas of the world's oceans, particularly for the northern part of the Pacific Ocean, even though conditions were somewhat different from those prevailing in the North Atlantic. Further efforts must

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UDC: 551 465(26)

ACC NR: AT6031966

be devoted to study of these factors in order to bring theory more closely into coincidence with conditions actually prevailing in the ocean. Areas in which trade drifts prevail are recommended for use in making the study since the linear change in density with depth method applied in the theory can be proven experimentally in such areas. Orig. art. has: 4 figures and 1 table.

SUB CODE: 08/SUBM DATE: None/ORIG REF: 005/OTH REF: 001

Card 2/2

SUMMITTED: December 7, 1957
 AUTHORS: Golubkov, P.V. and Tsvirin, Sh. Ye. SOV/109-3-3-22/23
 TITLE: The Second All-Union Conference on Radioelectronics of
 the Ministry of Higher Education of the USSR (Vtoraya
 Vsesoyuznaya konferentsiya MVO SSSR po radioelektronike)
 News Itma
 PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol. 3, Br. 3,
 pp 420 - 444 (USSR)

SHKUDOVAT L.A.

ABSTRACT: The conference took place during September 23 - 29, 1957, at Saratov Polytechnic Institute. The Second All-Union Conference on Radioelectronics of the Ministry of Higher Education of the USSR (Vtoraya Vsesoyuznaya konferentsiya MVO SSSR po radioelektronike) was attended by the representatives of the scientific research institutes of the Soviet and Ukrainian Academies of Sciences, various industrial establishments and interested ministries. This arrangement stimulated the discussion and evaluation of the papers presented and permitted the determination of plans for future research to be carried out by the universities in the field of radioelectronics. During the plenary session on September 25, 1957, 60 papers were read: "Development Trends of UHF Electronics in the Soviet Union" by N.D. Devyatkov and "Electron-beam Waves in the System of Unidirectional Electron Beams" by V.M. Lopukhin. N.D. Devyatkov presented numerous factual data illustrating the rapid development of the U.H.F. electronics in the Soviet Union and the West. Contribution of the Soviet scientists to the theoretical foundations of this science. He also discussed the development trends of U.H.F. electronics. In the immediate vicinity, the paper described a number of original Soviet U.H.F. devices. The work of V.M. Lopukhin was concerned with the theoretical investigation of the phenomena taking place in multi-ray devices whose electron beams have different directions. The author showed that the presence of the electron beam which are perpendicular to the axis facilitates the appearance of the solutions which are increasing functions of x for the case of λ directed along the axis x . It also leads to the practical appearance of exponentially increasing solutions in the presence of one beam in the above direction. The Electronics Section comprised 50 papers; more than one-third of these were concerned with the theoretical and experimental investigation of wide-band electronic devices for U.H.F. The lecture by V.N. Shevchik, L.Ya. Mayoris and L.D. Potrovsky dealt with the extension of the known theories of travelling-wave tubes and backward-wave tubes to the practically important cases when the delay structure necessitated the taking into account of the discrete character of the interaction of the electron beam with the high-frequency field. The lecture by V.C. Stal'makhor, V.N. Shevchik and Yu.D. Zharkov was devoted to the application of the cosinusoidal approximation of the given load. The paper by V.B. Bratinskii, A.S. Gorshkov, I.T. Anton'yuk, G.P. Lyubimov, I.M. Trofimko and V. V. Kudriavtsev concerned with the detailed experimental and theoretical investigation of the possibility (first indicated by V.N. Shevchik in 1944) of expanding the bandwidth of the electronic triode of reflex klystron by means of electron-beam synchronisation of several klystron tubes. The operation of reflex klystrons with multi-circuit resonant systems was also investigated. The results of experimental and theoretical investigation of two-ray amplifying and multiplying tubes were given in the communication by L.Z. Attova, V.M. Lopukhin, L.A. Shkudov and in the communication of V.I. Kanovei. Some of the papers in the Electronics Section dealt with the investigation which were concerned with the development of new U.H.F. devices, suitable for the generation and application of waves in the millimeter and sub-millimeter ranges. The papers of great interest were: "Experimental Investigations of the Radiation of the Electron Bunches in the Vicinity of Non-harmonics" by V.B. Braginskii and Ye.P. Mustel; "Comparison of the Efficiency of Certain Methods of Generation of Millimeter Waves" by A.S. Tager and "Application of the Higher Spatial Harmonics of the Electromagnetic Field in Slowing-down Systems" by A.S. Tager and V.A. Bolotsky.

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Card 2/16

Card 3/16

L 40063-66 EWT(d) IJP(c)

ACC NR: AP6017271

SOURCE CODE: UR/0140/66/000/001/0161/0169

AUTHOR: Shkul', N. I. (Kiev)21
B

ORG: none

TITLE: The construction of a general asymptotic solution of a system of linear
differential equations with a minor parameter

SOURCE: IVUZ. Matematika, no. 1, 1966, 161-169

TOPIC TAGS: asymptotic solution ordinary differential equation, linear differential
equation, characteristic equation

ABSTRACT: The system of equations

$$\frac{dx}{dt} = A(\tau, \epsilon)x + \epsilon B(\tau, \epsilon)e^{\lambda(\tau, \epsilon)t},$$

is studied, where $A(\tau, \epsilon)$ is a real square matrix of n^{th} order; x , $B(\tau, \epsilon)$ are n -dimensional vectors. It is assumed that

$$A(\tau, \epsilon) = \sum_{s=0}^{\infty} \epsilon^s A^{(s)}(\tau), B(\tau, \epsilon) = \sum_{s=0}^{\infty} \epsilon^s B^{(s)}(\tau),$$

• $0 < \tau - \epsilon t < L$, and ϵ is a minor real parameter. A means of constructing a general
asymptotic solution of this system is proposed, where among the roots of the charac-
teristic equation there are the roots of an identical multiplicity factor with

UDC: 517.919

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L 40063-66

ACC NR: AP6017271

multiple elementary divisors. Two cases are differentiated in the development of the general solution. The first case is the "resonance" case characterized by the resonance function

$$\text{iv}(\tau) \left(v(\tau) = \frac{d\theta(t, \tau)}{dt}, i = \sqrt{-1} \right),$$

for all $\tau \in [0; L]$; the second case is the "nonresonance" case given by the relationship

$$\text{iv}(\tau) \neq \omega_j(\tau), j = 1, \dots, p.$$

A theorem is proved showing that a formal solution of the system can be found in the form

$$x = [U_1(\tau, \mu_1) h_1 + P(\tau, \mu_1)] e^{\lambda_1(\tau, \mu_1)} + [\sum_{k=2}^p U_k(\tau, \mu_k) h_k],$$

$$\frac{dh_1}{dt} = [\lambda_1(\tau, \mu_1) - \text{iv}(\tau) E] h_1 + z(\tau, \mu_1),$$

$$\frac{dh_k}{dt} = \lambda_k(\tau, \mu_k) h_k, \quad k = 2, \dots, p,$$

where U and P are matrices given by the expansions

$$U_j(\tau, \mu_j) := \sum_{s=0}^{\infty} \mu_j^s U^{(s)}(\tau), \quad \lambda_j(\tau, \mu_j) = \sum_{s=0}^{\infty} \mu_j^s \lambda_j^{(s)}(\tau),$$

$$P(\tau, \mu_1) = \sum_{s=0}^{\infty} \mu_1^s P^{(s)}(\tau), \quad z(\tau, \mu_1) = \sum_{s=0}^{\infty} \mu_1^s z^{(s)}(\tau),$$

$$\mu_j = \sqrt{s}, \quad j = 1, \dots, p.$$

Card 2/3

VOLKOV, A.A.; SHKUDOVA, R.I., metoist; TIKHOMIROV, V.N., otvetstvennyy
redaktor; BABKINA, N.G., reiaktor; PAVZNER, V.I., tekhnicheskiy
redaktor

[Poultry breeding and pond fish culture pavilion; a guidebook]
Pavilon "Ptitsevodstvo i pchelovodstvo"; putevoditel'. Moskva,
Gos. izd-vo selkhoz. lit-ry, 1956. 27 p. (MLRA 9:12)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954-
2. Direktor pavil'ona (for Volkov)
(Poultry) (Fish culture)
(Moscow--Agricultural exhibitions)

VOLKOV, V.A.; FEDOROVSKIY, N.P., kand.biolog.nauk; PENIONZHKEVICH, E.E., prof., doktor biolog.nauk; MASLIYEV, I.T., kand.sel'skokhoz.nauk; KRIKUN, A.A., kand.sel'skokhoz.nauk; PATRIK, I.A., kand.sel'skokhoz.nauk; MALINOVSKAYA, A.S., kand.biolog.nauk; DAKHNOVSKIY, N.V., kand.biolog.nauk; ORLOV, M.V., kand.sel'skokhoz.nauk; REDIKH, V.K., kand.sel'skokhoz.nauk; GOFTMAN, M.B., zootehnik; GRIGOR'YEV, G.K., kand.sel'skokhoz.nauk; GORIZONTOVA, Ye.A., starshiy nauchnyy starshiy nauchnyy sotrudnik; GORIZONTOVA, Ye.A., starshiy nauchnyy sotrudnik; FEOKTISTOV, P.I., kand.veter.nauk; KOTEL'NIKOV, G.A., kand.veterin.nauk; SHKUDOV, R.I., red.; BALAKIN, V.M., red.; GRADUSOV, Yu.N., red.; SOKOLOVA, G.S., red.; SAYTANIDI, L.D., tekhn.red.

[Duck raising] Utkovodstvo. Izd-vo M-va sel'khoz. R.S.F.S.R.,
(MIRA 13:12)
1959. 284 p.

1. Nachal'nik Glavnogo upravleniya ptitsevodstva Ministerstva sel'skogo khozyaystva RSFSR (for Volkov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut ptitsepromyshlennosti (for Grigor'yev). 3. Tsentral'nyy nauchno-issledovatel'skiy institut ptitsepererabatyvayushchey promyshlennosti (for Gorizontova).

(Ducks)

MATYUSHKIN, D.M.; SHKUDOVA, R.I., red.; SAYTANIDI, L.D., tekhn.red.

[Rapid expansion of poultry raising in the Kuban] Ptitsevodstvo
Kubani na krutom pod'eme. Moscow, Izd-vo M-va sel'.khoz.RSFSSR,
1959. 33 p. (MIRA 14:1)

(Kuban--Poultry)

DOBRYAKOV, G.; SHKUDOVA, R.I., red.; LEVINA, L.G., tekhn.red.

[Expert in getting high milk yields] Master vysokikh udoev.
Moskva, Izd-vo M-va sel.khoz.RSFSR, 1960. 75 p.

(MIRA 14:2)

(Dairying)

PETRUKHIN, I.V.; KOZNOV, N.A.; SHKUDOVÁ, R.I., red.; SAYTANIDI, L.D.,
tekhn.red.

[Trichomoniasis in cattle] Trikhomonoz krupnogo rogatogo skota.
Moskva, Izd-vo M-va sel'.khoz.RSFSR, 1961. 119 p.

(MIRA 15:5)
(Cattle--Diseases and pests) (Trichomoniasis)

SHKUDOVA, R.I., red.; SAYTANIDI, L.D., tekhn. red.

[Put the wealth of land resources in the service of the
motherland] Bogatstva zemli - na sluzhbu Rodine; materialy.
Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1962. 151 p.
(MIRA 15:4)

1. Soveshchaniye rabotnikov sel'skogo khozyaystva oblastey,
krayev i avtonomnykh respublik Severnogo Kavkaza, Rostov-on-Don,
1962.

(Caucasus, Northern--Agriculture--Congresses)

LUKASHIK, Nadezhda Andreyevna; TASHCHILIN, Vladimir Aleksandrovich;
SHKUDOVA, R.I., red.

[Zootechnical analysis of feeds; manual for practical
studies] Zootehnicheskii analiz kormov; rukovodstvo k
prakticheskim zaniatiiam. Moskva, Kolos, 1965. 222 p.
(MIRA 18:3)

SLABKINA, A.I., kand. sel'khoz. nauk; FIRSOVA, T.N., kand. sel'khoz. nauk; FOTOKIN, V.P., kand. sel'khoz. nauk; VOLKOV, G.K., kand. vet. nauk; SHKUDOVA, R.I., red.

[Principles of animal husbandry] Osnovy zhivotnovodstva.
Moskva, Kolos, 1964. 263 p. (MIRA 18:11)

MARKUSHIN, A.P., prof.; LADAN, P.Ye., prof.; GORBELIK, V.I., prof.;
SHKUDOVA, R.I., red.

[Livestock breeding and specialized animal husbandry] Raz-
vedenie sel'sko-khoziaistvennykh zhivotnykh i chastnoe
zhivotnovodstvo. Izd.2., perer. i dop. Moskva, Kolos,
1965. 478 p. (MIRA 19:1)

1. Saratovskiy zooveterinarnyy institut (for Markushin,
Gorbelik). 2. Donskoy sel'skokhozyaystvennyy institut (for
Ladan).

ARSENSHVILI, A.Yu.; BOGDANOV, M.N.; GORIZONTOVA, Ye.A.; YERSHOVA, Ye.I.;
YELENBAUM, N.I.; IOFE, N.Sh.; KARAVAYEV, A.M.; KOLOBOV, G.M.;
LOBIN, N.V., kand. sel'khoz. nauk; KUSHNER, Kh.F., doktor bilog.
nauk; MISHIN, P.N.; PATRIK, I.A., kand. sel'khoz. nauk; REDIKH,
V.K., kand. sel'khoz. nauk; SEMTNIEV, S.I., akademik; SAMOLETOV,
A.I.; FILASOV, V.V.; SHKUDOVA, R.I.; SOKOLOVA, G.S., red.;
ROMANOVICH, Ye.F., red.; LEVINA, L.G., tekhn. red.

[Chickens for meat] TSypliata na miaso. Moskva, Izd-vo M-va
sel'.khoz. RSFSR, 1960. 197 p. (MIRA 15:1)
(Poultry)

SHKUDOVICH, R.A.

FON-YUNG, I.Ye.; SHKUDOVICH, R.A.

Phthivasid therapy of pulmonary tuberculosis. Probl. tub. no.4:
15-19 Jl-Ag '54. (MLRA 7:11)

1. Iz statsionarnogo otdeleniya (zav. I.Ye.Fon-Yung) L'vovskogo
oblastnogo protivo-tuberkuleznogo dispansera (glavnnyy vrach
dotsent I.S.Bekker)

(TUBERCULOSIS, PULMONARY, therapy,

isoniazid)

(NICOTINIC ACID ISOMERS, therapeutic use,

isoniazid in pulm. tuberc.)

AC NR: AP6036158

SOURCE CODE: UR/0041/66/018/006/0085/0096

AUTHOR: Shkul', N. I. (Kiev)

ORG: none

TITLE: On asymptotic solution of the systems of linear partial differential
equations

SOURCE: Ukrainskiy matematicheskiy zhurnal, v. 18, no. 6. 1966, 85-96

TOPIC TAGS: partial differential equation system, hyperbolic ~~differential~~ equation,
asymptotic solutionABSTRACT: The problem of constructing an asymptotic solution (in the sense of N. N.
Bogolyubov and Y. A. Mitropol'skiy) for the system of equations

$$\begin{aligned} \frac{\partial^2 u}{\partial t^2} &= A_1(\tau, \varepsilon, x) \frac{\partial^2 u}{\partial x^2} + \varepsilon A_2(\tau, \varepsilon, x) \frac{\partial u}{\partial t} + \varepsilon A_3(\tau, \varepsilon, x) \frac{\partial u}{\partial x} + \dots \quad (1) \\ &+ \varepsilon A_4(\tau, \varepsilon, x) u + \varepsilon G(\tau, \varepsilon, x) e^{t(1-\varepsilon)}, \quad 0 < x < l, \quad 0 < \tau = \varepsilon t < L, \end{aligned}$$

with initial conditions

$$u|_{t=0} = \psi(x, \varepsilon), \quad \left. \frac{\partial u}{\partial t} \right|_{t=0} = \psi(x, \varepsilon) \quad (2)$$

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ACC NR: AF6036158

and boundary conditions

$$u|_{x=0} = u|_{x=L} = 0. \quad (3)$$

where ϵ is a small positive parameter; u and G , ϕ and ψ are n -dimensional vectors; and A_k ($k = 1, \dots, 4$) are real $n \times n$ matrices is analyzed under certain conditions upon the coefficients and free term of equation (1). The solution of system (1) is sought in the form of a series

$$u = \sum_{l=1}^{\infty} \sqrt{\frac{2}{l}} \sin \omega_l x \cdot z_l, \quad (4)$$

where z_l are n -dimensional vectors to be determined. By substituting (4) into (1), an infinite system of second-order ordinary differential equations for L is obtained which is later reduced to a system of linear equations. The asymptotic solution of the derived system is constructed only for the case when the roots of the characteristic equation of the corresponding matrix include roots of constant multiplicity with multiple elementary divisors. In constructing an asymptotic solution of the infinite system, the "resonance" case (when the value of the function $iiv(\tau)$, where $i = \sqrt{-1}$ and $v(\tau) = \frac{d\theta(t, \tau)}{dt}$, coincides for certain values of $\tau \in [0, L]$ with one root

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ACC NR: AP6036158

of a characteristic equation) and the "nonresonance" case (when the value of $\nu(\tau)$ is not equal to any root of the characteristic equation for any $\tau \in [0, L]$) have been considered. Theories are proved establishing the formal asymptotic solutions for both cases. The coefficients of these formal solutions are expressed in terms of certain functional series, and a large part of the article is dedicated to their convergence. Orig. art. has: 90 formulas.

SUB CODE: 12/ SUBM DATE: 28Apr65/ ORIG REF: 012/ ATD PRESS: 5105

Card 3/3

ACCESSION NR: AT4002127

S/2702/63/000/014/0143/0154

AUTHOR: Yegorov, A. P.; Kulakov, I. N.; Sloush, M. M.; Shkulepova, L. G.

TITLE: Field investigations of the MBN-P microbarometric levels

SOURCE: USSR. Glavnoye upravleniye geologii i okhrany* nedr. Geofizicheskaya razvedka, no. 14, 1963, 143-154

TOPIC TAGS: surveying, surveying instrument, level, microbarometric level, aneroid, MBN P microbarometric level

ABSTRACT: The design and operating principles of the MBN-P microbarometric levels, manufactured by the "Gidrometpribor" plant, are described and illustrated (see Figs. 1 and 2 of the Enclosure). Several such instruments were standardized prior to field tests. Field tests carried out to check the elevations of gravimetric stations showed level errors of +0.56 m (366 readings) and 0.68 m (315 readings) in sightings to gravimetric station elevations of 7 and 14 km, respectively, from the initial station level. The mean square error of closure was $\pm 0.5\text{--}0.7\text{m}$. Orig. art. has: 3 figures, 7 tables and 11 formulas.

ASSOCIATION: Glavnoye upravleniye geologii i okhrany* nedr (Main Bureau for Geology and Conservation of Natural Resources)

Card

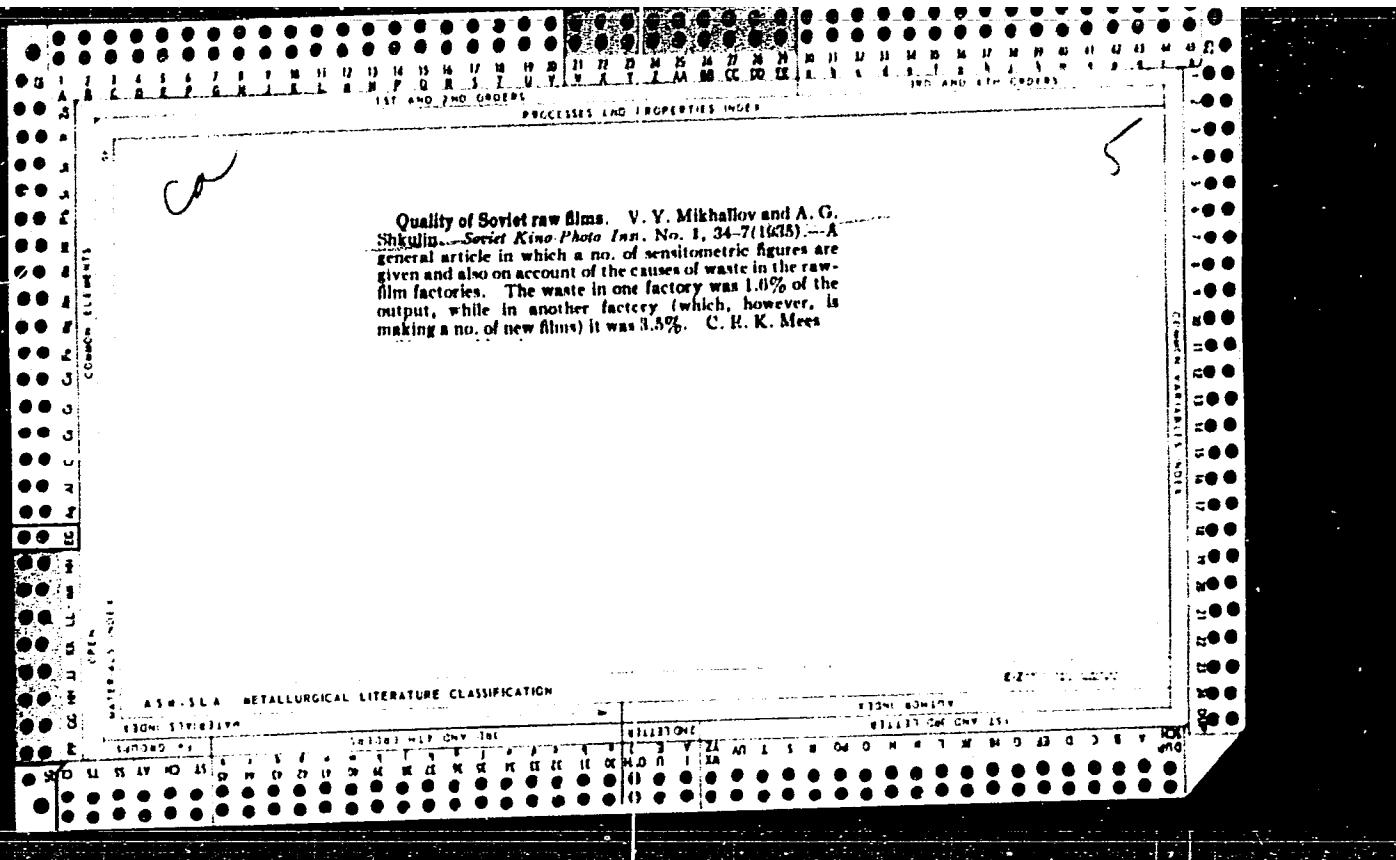
SHKULEV, A.

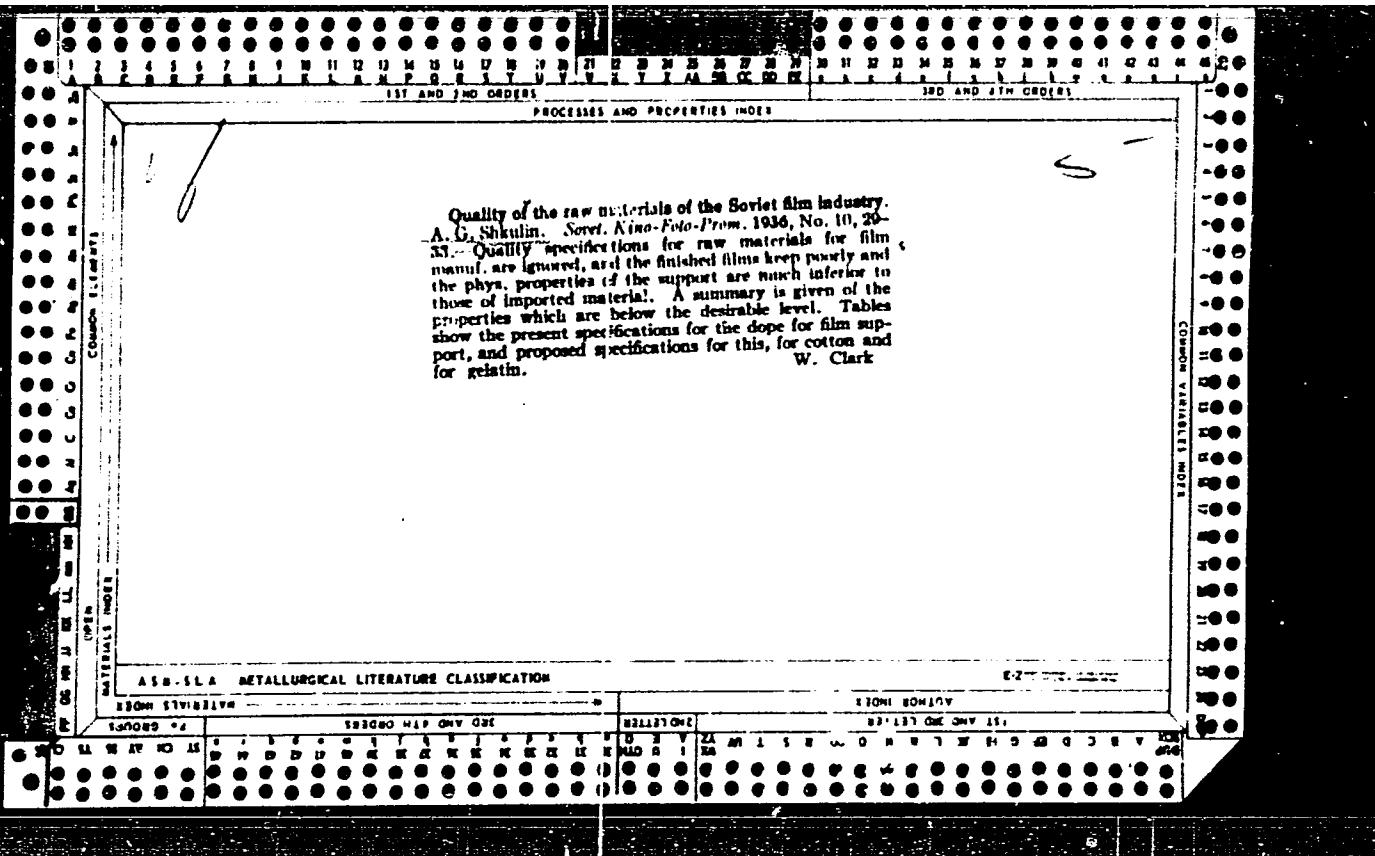
Green light to the construction of industrial buildings. Prom.
(MIRA 14:8)
Arm. 4 no. 6:10-13 Je '61.
(Armenia--Industrial buildings)

YAKADIN, A.I.; IUCHINA, I.I., red.; SHKULEVA, V.S., red.; MEDVEDEV, L.Ya.;
tekhn. red.

[Organizing and carrying out production at a tanning extract plant]
Organizatsiia i sovershenstvovanie proizvodstva na zavode dubil'-
nykh ekstraktov. Moskva, Gos. nauchno-tekhn. izd-vo M-va legkoi
promyshl. SSSR, 1956. 25 p. (MIRA 11:10)

1. Russia (1923- U.S.S.R.) Ministerstvo legkoy promyshlennosti.
Byuro tekhnicheskoy informatsii.
(Tanning materials)





CP
A new designation for sensitivity. A. Shikulin. *Nachr. Foto* 1938, No. 3, 34-5; *Chem. Zentral* 1938, II, 248. While previously in the U. S. S. R. the detn. of sensitivity according to Hurter and Driffield has been carried out with the Hefner lamp as a light source, recently the use of the Davis and Gibson light (incandescent lamp and a Cu pyridine filter) has been prescribed. The calen. of the H. & D. values is changed in that no longer is 31 used as the sensitivity value, but 10⁻¹. W. A. Moore

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

EZ 1

Shablik, A. V.

The technique of retouching in photography. Moscow, Goskinoizdat, 1950.
Makliotchna fotolitografia) (Ac 55-126)
Collection of the original, as determined from the file: 48 P.

Microfilm: Slavic 155 AC

ZHIVILOVA, L.M., kand.tekhn.nauk; LYUTS'KO, V.V., tekhnik; NEBOL'SINA, T.V.,
tekhnik; SHKULIN, N.A., inzh.; MAKAROV, Ye.A., inzh.

Automatic device for indicating water hardness. Elek.sta. 32
no.4:40~44 Ap '61. (MIRA 14:7)
(Feed-water purification)
(Chemical engineering---Equipment and supplies)

SHKULOV, G. (g.Omsk)

Some problems in lowering landscaping costs. Zhil.-kem.khoz.
9 no.7:17-18 '59. (MIRA 12:11)

1. Zaveduyushchiy otdelom sel'skogo khozyaystva i zelenogo
stroitel'stva Omskogo gorispolkoma.
(Omsk--Landscape gardening)

SHKULOV, G.G.

Landscape gardening and parks in Omsk. Trudy TSSBS no.3:
139-148 '60. (MIRA 15:3)
(Omsk--Landscape gardening) (Omsk--Parks)

SHKULOV, V.L., assistant; INIMOVA, K.Z., -dot sent; CHEREPANOVA, A.G.,
assistant

Some indices of physiological and pathological senility revealed
in examinations of the cardiovascular system. Trudy LIETIN no.16:
208-217 '64. (MIRA 19:1)

1. Karagandinskiy meditsinskiy institut.

SHERINOV, V.I., assistant; LIKHNIITSKAYA, I.I., doctor; PUGINA, N.S.,
assistant.

Importance of the sex factor in age-related changes in the respiratory capacity of the lungs. Trudy LIETIM no.16:250-261 '64.
(MIRA 19:1)

1. Karagandinskiy meditsinskiy institut (for Shkuriov). 2. Leninskogradskiy nauchno-issledovatel'skiy institut ekspertizy trudospособности i organizatsii truda invalidov (for Likhnitskaya). 3. Gosudarstvennyy institut dlya usovershenstvovaniya vrachey im. S.M. Kirova (for Pugina).

SHKUL'SKAYA, T., sadovod.

Self-propelled cutter. Zhil.-kom. khol. ll no.7:26 Jl '61.
(MIRA 14:7)
(Cultivators)

SHKUL'TETSKIY, B. I.

Shkul'tetskiy, B. I. "New machines for mechanized laundries," Sots. tekhnika (Nauch.-issled. in-t kommunal. khoz-va Ispolkomu Lengorsoveta,) Issue 1, 1949, p. 230-46

SO: U-3261, 10 April 53, (Letopis 'zhurnal 'nykh statey, No. 12, 1949)

SHKUL'TETSKIY, I.

Transistorized antenna indicator. Radio no.4:41 Ap '61.
(MIRA 14:7)

1. Radiostantsiya UC2AWD, g. Polotsk.
(Antennas) (Electronic measurements)

SHKUL'TETSKIX, I. (g. Polotsk)

A simple stabilizer. Radio no. 10:46 0 '61.
(Electric transformers)

(MRA 14:10)

Gorbisov, B.N., mi. nauchn. sotr.; KIVLOVA, A.V., mi. nauchn.
sotr.; SHUB'TIN, V.I., spets. red.; CHERNIK, N.A., red.

[Packing of frozen fish products] Upakovka morozhenoj ryo-
noi produktcii; sbornik materialov. Kaluga, 1962. 23 p.
(NIIA 17:10)

1. Kaluga. Tsentral'nyy nauchno-issledovatel'skiy institut
tary i upakovki.

SHKUL'TIN, V.I., spets. red.; CHERNIN, N.A., red.

[Packing of brine fish products] Upakovka tuzluchnoi rybnoi
produktsii; sbornik materialov. Kaluga, 1962. 45 p.
(MIRA 17:4)

1. Kaluga. TSentral'nyy nauchno-issledovatel'skiy institut
tary i upakovki.

SHKUMATOV, S.I., inzhener.

Lenger life for blast furnaces. Stal' 16 no.3:200-203 Mr '56.

(MIRA 9:7)

I.Chusovskoy metallurgicheskiy zaved.
(Blast furnaces)

AUTHOR: Shkumatov, S.I., Eng.

133-7-4/28

TITLE: Comments on N.G. Molchanov's Paper "On Service Life of Blast Furnaces". (Otklik na stat'yu N.G. Molchanova "O srokakh sluzhby domennykh pechey".)

PERIODICAL: Stal', 1957, No.7, p. 586 (USSR)

ABSTRACT: This is a sharp criticism of the paper published in Stal', 1956, no.11. The present author disagrees with Molchanov's views on the causes of destruction of the blast furnace hearth and most suitable hearth refractories.

ASSOCIATION: Chusovskoy Metallurgical Works (Chusovskoy Metallurgicheskiy Zavod)

AVAILABLE: Library of Congress

Card 1/1

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inzh., retsenzent; RAZUMOVA, M.S., inzh., retsenzent;
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[Handbook of foundry practice] Spravochnik rabochego-
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(MIRA 15:4)
(Founding--Handbooks, manuals, etc.)

PA 3T2

SHKUNDIN, B. M.

USSR/Dredges
Pumping stations

Nov/Dec 1946

"Equipment for Hydro-mechanization," B M Shkundin,
6 pp

"Mekh Stroytelstva" Vol III, No 11/12

Discusses mobile dredges (on rollers), floating
(on metallic pontoons) pumping stations. Illus-
trated with tables and schematic diagrams.

3T2

SHKUNDIN, B.M., inzhener.

Use of hydromechanical processes in gravel and sand quarries.
Mekh.stroi. 4 no.1:14-16 Ja '47. (MLRA 9:3)

1. MVD.
(Quarries and quarrying)

SHKUNDIN, B.M., inzhener.

Hydraulic engineering application in construction work. Mekh. strel.
4 no.11:14-15 N '47. (MIRA 9:2)
(Hydraulic engineering)

SHKUNDIN, B. M.

Gidromekhanizatsiya v stroitel'stve; vybor oborudovaniia, ego primenenie i proektirovaniye organizatsii rabot. Moskva, Mashstroizdat, 1949. 204, (3) p. illus.

Bibliography: p. 203-(206)

Hydraulic engineering in the building industry; selection of equipment, its utilization and planning of operations.

DLC: TCl47.S48

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953

SHKUNDIN, B. M.

PA 59/49T5

USSR/Engineering
Hydromechanization

Pumping Stations

Jul 49

"Pump Stations for Hydromechanization," B. M.
Shkundin, Engr., 4 pp

"Gidrotekh Stroi" No 7

Discusses (1) selection of type of pumping station, (2) selection of amount of equipment for pumping stations, (3) determining operating characteristics of pumping stations, and (4) auxiliary equipment for pumping stations. Mentions two types of pumping stations: shore based, and floating. Most frequently used pumps are

59/49T5

USSR/Engineering (Cont'd) Jul 49

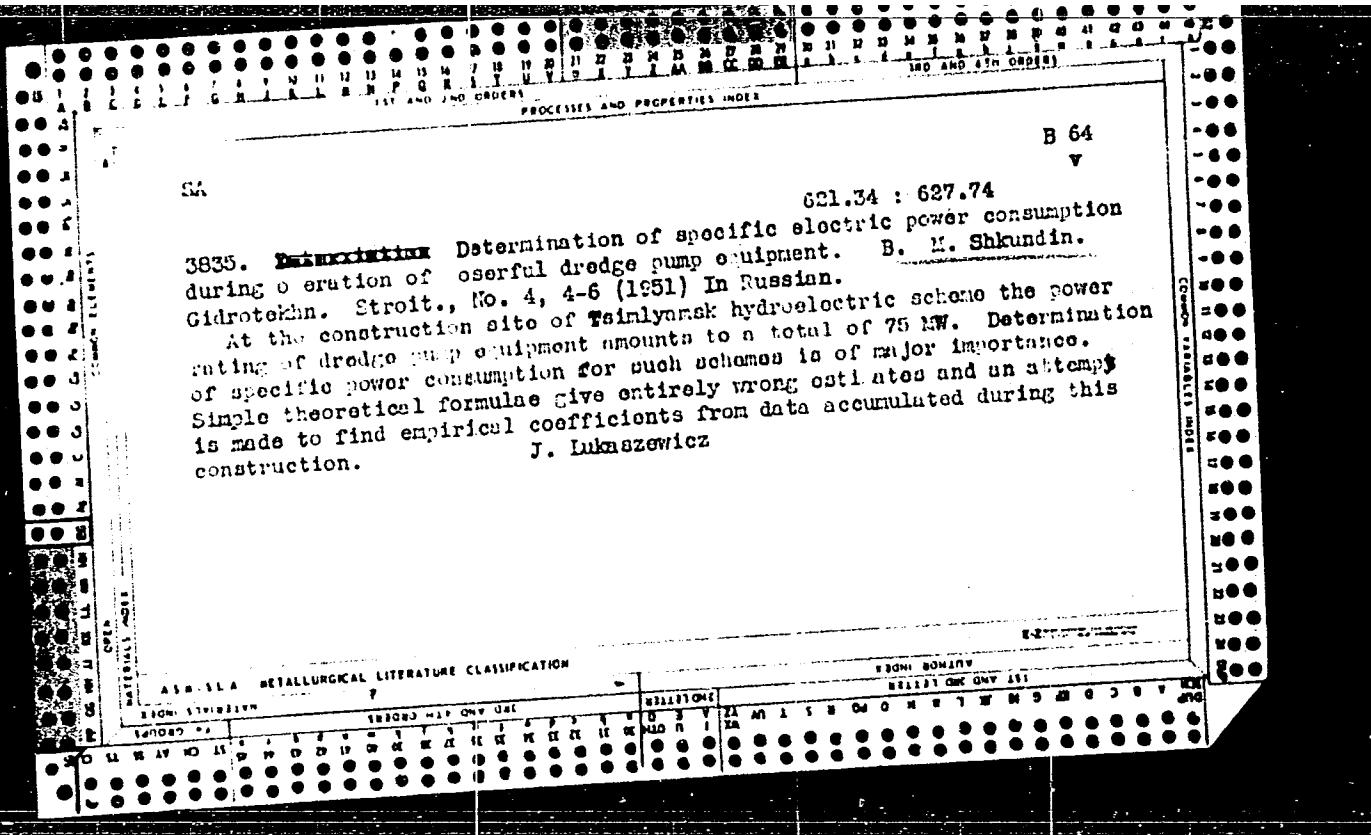
centrifugal type which do not have to lift water more than 3 meters.

59/49T5

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s. 7-10.

SO: IETOPLS' NO. 35, 1949



SHKUNDIN, B. M; GORIN, M. A.

Dredging Machinery

Developing powerful pump dredges. Gidr. stroi. 20 no. 5, 1951

Monthly List of Russian Accessions, Library of Congress November 1952. UNCLASSIFIED.

SHEUNDIN, B.M., laureat Stalinskoy premii.

[Earthwork with floating suction dredges] Razrabotka grunta plovuchimi zemlesosnymi snariadami. Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 54 p. (MLRA 6:7)

1. Vsesoyuznoye nauchnoye inzhenerno-tehnicheskoye obshchestvo stroiteley (VNITO stroiteley). (Dredging machinery)

SHEKUNDIN, B.M., laureat Stalinskoy premii.

[Hydromechanization of earthwork in the construction of hydroelectric power developments] Gidromekhanizatsiya zemlianykh rabot na stroitel'stve gidro-
uzlov. Moscow, Znanie, 1953. 30 p.
(MLRA 6:7)
(Earthwork)

SHKUNDIN, B.M.

[Problems of hydraulic earthwork during the fifth five-year plan] Problemy
gidromekhanizatsii v piatoi piatiletke. Moskva, Izd-vo "Znanie," 1953. 31 p.
(MLRA 6:10)

(Earthwork) (Hydraulic engineering)

SHKUNDIN, B.M., laureat Stalinskoy premii; SAFONOV, P.V., inzhener,
nauchnyy redaktor; TOKER, A.M., tekhnicheskiy redaktor.

[Extraction and enriching of sand and gravel by means of hydraulic machinery] Dobycha i obogashchenie peska i graviia sposobom
gidromekhanizatsii. Moskva, Gos. izd-vo lit-ry po stroit. i architekture, 1953. 39 p.
(Sand) (Gravel)

KHOLIN, N.D.; SHKUNDIN, B.M., nauchnyy redaktor; ZNAMENSKIY, A.A.,
redaktor; KRYNOCHKINA, K.V., tekhnicheskiy redaktor

[Hydromechanics in contemporary construction] Gidromekhanizatsiya
v sovremennoem stroitel'stve. Moskva, Vsesoiuznoe uchebno-pedagog.
izd-vo, 1953. 44 p. (MLRA 7:10)
(Hydraulic engineering) (Earthwork)

SHKUNDIN, B.M., laureat Stalinskoy premii; KHOLIN, N.D., professor,
retsenzient; VISHNYAK, G.B., inzhener, redaktor; TIKHONOV, A.Ya.,
tekhnicheskiy redaktor

[Hydraulic earthwork equipment] Oborudovanie dlja gidromekhanizatsii
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(Dredging machinery)

Shkundin, B.M.

USSR/Miscellaneous - Excavating pumps

Card 1/1 : Pub. 70 - 2/9

Authors : Shkundin, B. M., Engineer, Recipient of Stalin Premium

Title : Protection of excavating pumps against clogging

Periodical : Mekh. stroi. 3, 6-11, March 1954

Abstract : The problem of protecting excavating pumps against clogging is debated. Various methods of reducing or eliminating clogging of excavating-pump pipe lines are described. The selection of the proper method depends largely upon the conditions of the soil in which excavation work is contemplated. Tables; graph; drawings.

Institution :

Submitted :

SHKUNDIN, B.M., inzhener, laureat Stalinskoy premii.

Breakdown of equipment used in draining clear water from hydraulic
fill work. Gidr.stroi. 23 no.3:12-16 '54. (MIREA 7:6)
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RAVINSKIY, Leonid Mikhaylovich; ROZENFEL'D, F.A., kandidat tekhnicheskikh nauk, retsenzent; SEKUNDIN, B.M., inzhener, laureat Stalinskoy premii, redaktor; UVAROVA, A.F., tekhnicheskiy redaktor

[Use of the suction dredge apparatus 1000-80 in the construction of the Kakhov hydroelectric power station] Opyt raboty zemlesosnogo snariada 1000-80 na stroitel'stve Kakhovskoi GES. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 52 p. (MLRA 9:9)
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[Hydromechanical working of placer deposits] Razrabotka rossyapnykh
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